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KASHIMA JIYUNKO(54) METHOD FOR TESTING SPECIFIC BOND AND
REAGENT FOR TESTING USED IN THE SAME

(57) Abstract:

PURPOSE: To provide a method for simply detecting the objective substance with high sensitivity.

CONSTITUTION: A specific bonding reagent having a double-stranded DNA as a label is used as a testing reagent. The labeled double-stranded DNA has a template sequence of a ribozyme 32 having a desired structure. The objective substance in a sample is reacted with the testing reagent to provide a complex, which is then separated from unreacted substances. The labeled double-stranded DNA of the resultant complex is then used as a template to synthesize a ribozyme 32 (which is a nucleic acid having functions as a catalyst for cleaving the nucleic acid of a specific base sequence at a prescribed position). A

prescribed substrate chain 31 is reacted with the obtained ribozyme 32 and cleaved therewith to shorten the length of the base sequence. The short nucleic acid after the cleavage is detected to thereby estimate qualitatively and/or quantitatively the objective substance in the sample.

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